

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Ian D. Crawford

Title: SINGLE-STAGE POWER FACTOR CORRECTED CAPACITOR CHARGER

Serial No.: 10/751,126 filing date 1/20/04

Group Art Unit: 2838 Examiner: Tibbits, Pia F.

To: Examiner Tibbits
United States Patent and Trademark Office

via fax 571 273 2086

TRANSMITTAL

Enclosed herewith is
Corrected claim 1.

Background

Examiner Tibbits informed me that claim 1 erroneously ended with a semicolon ";" and requested that I send her a clean corrected copy of claim 1 on a separate sheet, via fax, without any formal Amendment After Final. (Prosecution is closed.) The purpose is to correct an obvious typographical error (punctuation). The status of the case is "issue fee paid".

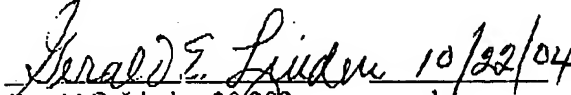
Amendment

The change is as follows, in the last clause of claim 1

the second pole of the second switch is connected to the first pole of the third switch and to a second end of the primary winding of the transformer;
Changing the ";" at the end of the last clause of claim 1 to a "."

A complete, clean, corrected copy of claim 1 is on the next sheet.

For the applicant,


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1. A power factor corrected capacitor charger comprising:
 - a full wave bridge rectifier receiving AC mains power and providing a full-wave rectified DC waveform on a power line and a return line;
 - a first switch having a first pole and a second pole;
 - a second switch having a first pole and a second pole;
 - a third switch having a first pole and a second pole;
 - a fourth switch having a first pole and a second pole;
 - a first diode having an anode and a cathode;
 - a capacitor having a first pole and a second pole;
 - an inductor;
 - a transformer comprising a primary winding and a secondary winding, the secondary winding powering a load;
 - wherein:
 - the anode of the first diode is connected to the power line;
 - the first pole of the first switch is connected to the cathode of the first diode and to the first pole of the capacitor;
 - the second pole of the capacitor is connected to the return line;
 - the second pole of the first switch is connected to the first pole of the fourth switch and to a first end of the inductor;
 - a second end of the inductor is connected to a first end of the primary winding of the transformer;
 - the second pole of the fourth switch is connected to the return line;
 - the first pole of the second switch is connected to the power line;
 - the second pole of the second switch is connected to the first pole of the third switch and to a second end of the primary winding of the transformer.